Page 4, line 9

delete "printing,telephone" and insert --printing, telephone--

Page 4, line 10

delete ", and" and insert --, and--

Page 5, delete lines 10-26

Page 6, delete lines 1-15 and insert

transmits interactive multimedia information over a communication medium having limited bandwidth. The communication system comprises interactive multimedia mastering (IMM) system means for receiving multimedia program materials from a program source, the IMM system includes means for optimizing the program materials by separating the information into primary and secondary layers using psychographic parameters to differentiate between important and less important multimedia information. The optimized program materials includes a plurality of program branches where each of the branches allows a plurality of functions and data to be accessed in order to replicate the program source. The system further comprises a multimedia call processing system (MCPS) coupled to the IMM for receiving and distributing the optimized program materials from the IMM; and a plurality of interactive multimedia devices (IMDs) for receiving the optimized program materials from the MCPS. The plurality of

the IMDs including means for accepting user commands for
multimedia information and for responsively transmitting a
control signal to the MCPS.

The MCPS further includes a voice mode means responsive to
the control signal for branching to a program branch in the
optimized program materials indicated by the control signal. The
MCPS also includes means for switching to a data mode for
transmitting data from the indicated program branch back to the
at least one of the plurality of IMDs and then switching back to
the voice mode to accept further control signals from the at
least one of the plurality of IMDs, whereby only selected
portions of the optimized program materials are sent from the
MCPS to the IMDs thereby reducing the bandwidth required to
transmit the multimedia program materials.

Page 9, line 5

    delete "form is" and insert --of--

Page 12, delete lines 22-26

Page 13, delete lines 1-18 and insert

Figures 2A and 2B are block diagrams illustrating a single
line connection between a MCPS 44 and an IMD 52, and a two line
connection, respectively. Referring first to the single line
arrangement of Figure 2A and a flow chart 2A', the MCPS 44
provides and receives information from the IMD 52 as follows.

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The program source material stored in the MCPS 44 are
interactively accessed by a user through a telephone 53. An
audio command from the telephone 53 causes the IMD 52 to transmit
a dual tone multi-frequency (DTMF) signal or control data signal,
which is received by the MCPS 44 in a voice mode, in step A.

The program source materials in the MCPS 44 include program
branches where each of the branches allows a plurality of
functions, commands, and data to be accessed in order to
replicate a program model. In response to the DTMF signal, the
MCPS 44 branches to an appropriate program branch in the program
materials indicated by the control signal according to the
program model in step B. Thereafter, the MCPS 44 switches to a
data mode in step C, and transmits the data from the program
branch back to the IMD 52 in step D. After transmitting the
data, the MCPS 44 returns to voice mode in step E to accept
further commands.

In the two line system of Figure 2B, the data is exchanged
on one line and audio information, for example, is exchanged on
the other line via a multimedia modem (not shown). Referring to
Figure 2B and flow chart of Figure 2B', in this embodiment, an
audio command from the telephone 53 causes the IMD 52 to transmit
the DTMF signal, which is received by the MCPS 44 in voice mode,
in step A'. In response to the DTMF signal, the MCPS 44
simultaneously branches to an appropriate voice branch and data
branch in the program materials according to the program model in
steps B' and B". Thereafter, the MCPS 44 will transmit

synchronized voice and data from the branches over the dual

telephone lines to the IMD 52 in steps C' and C".

Page 14, line 11

    delete "_____" and insert --08/369,279--

Page 14, line 14

    delete "_____" and insert --January 5, 1995--

Page 16, line 5

    delete "The primary layer is then decompressed (block 110)."

Page 16, line 23

    after "system" insert --,--

Page 17,

    line 2, delete "that"

    line 3, delete "vide" and insert --video--

    line 10,

        after "that" insert --is--

        delete "be"

    line 19, delete "reception enhancements" and insert

--reception. Enhancements--

Page 19,

    line 3,

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delete "is seen" and insert --shown--

delete "4" and insert --5--

line 5, delete "It is also seen" and insert --As also

shown,--

Page 21,

line 2, after "coding" insert --, which--

line 3, after "keying" insert --,--

Page 22

line 3, delete "5" and insert --4--

line 12, delete "algorithm" and insert --algorithms--

line 15, after "detected" insert --,--

line 26, after "psychographic" insert --quality--

Page 23

line 1, delete "algorithm such as JPEG applied to a specific

layer or as an example, a wedding ring that is located in a

carrier of some sort via step 2A." and insert --algorithm via

step 2A. For example, a QVC program may show a scene of a

wedding ring supported by a ring carrier. Assuming that the

wedding ring is defined as a primary layer and the carrier as a

secondary layer, the scene may be enhanced by applying an

algorithm such as JPEG to one or both layers.--

line 21, delete "then" and insert --the--.

line 24, delete "algorithm" and insert --algorithms--.

line 25, delete "algorithm" and insert --algorithms--.

Page 24

line 4, after "example" insert --,--

line 14, after "quality" insert --,--

line 15, delete "than" and insert --then--.

line 17, after "acceptable" insert --,--

line 18, after "is" insert --again--

N.C.→line 19, delete "to" and after "advantage" insert --of--

Page 25

line 2, after "itself" insert --,--

line 13, delete "change, through" and insert

--change. Through--

line 13, after "method" insert --,--

Page 26, line 3, after "sent" insert --,--

Page 25

line 15, delete "400" insert --500--

line 18, after "networks" insert --,--

line 18, after "networks" insert --,--

line 18, after "52" insert --,--

line 19, after "structure" insert --,--

Page 30